

LIQUID CRYSTAL DISPLAY DEVICE

Abstract of the Disclosure

An active matrix type liquid crystal display device having improved visual field angle characteristics and display quality with less residual image. The electrodes, signal lines and the active elements are so constituted that an electric field can be applied to the liquid crystal layer substantially in parallel with the substrate. The signal lines, pixel electrodes, and common electrodes are zigzagged within a range ± 1 to ± 30 degrees relative to the alignment direction for the P-type liquid crystal. The signal lines, pixel electrodes, and common electrodes are zigzagged within a range between 60-120 degrees except 90 degrees relative to the alignment direction for the N-type liquid crystal. The color filters including black masks can also be zigzagged.

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SPC-KN01.CP1
080901